

## A B S T R A C T

A metallic or resinous material having excellent deodorant, antifouling, antibacterial, antifungal, and other effects which can be industrially efficiently provided by applying to a polymer resin film an adhesive coating fluid containing a silane coupling as a hardener, drying the coating to form an adhesive layer, applying a coating fluid for photocatalyst-layer formation, subsequently drying the coating to produce a photocatalyst-supporting film consisting of the polymer film and a photocatalyst layer deposited thereon through the adhesive layer, and laminating this photocatalyst-supporting film to the surface of a metallic plate or resin structure by heat pressing. The laminate may be processed into a complicated shape.

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